

NOVEL BREEDING APPROACHES FOR THE IMPROVEMENT OF PROFESSIONAL SEED PRODUCTION IN HORTICULTURAL CROPS

AIM: *develop and validate a genotypic assay for marker-assisted breeding in pepper through a multi-gene identification approach*

WORKFLOW

- identification main pepper pathogens (viruses, nematodes, fungi, bacteria);
- bibliographic studies related existing molecular markers associated with resistances characters;
- identification within breeder germplasm collection of known resistance genotypes for subsequent marker setting validation (panel 160 genotypes);
- extraction and storage of DNA collection;
- pre-breeding cross set for the introgression of interest resistances genes;

